



Join us the second Thursday of every month for a series of "brown bag" seminars, sponsored by the National Renewable Energy Laboratory and the U.S. Department of Energy (DOE). Each seminar is held at NREL's Washington, D.C., office with a videoconference link to Golden, Colorado. Topics focus on new and innovative renewable energy and energy analysis strategies, models, and technologies.



Web Access and Call-In Information

Log-In Info

URL for log-in:

<https://www.mymeetings.com/nc/join/>

Conference number: RH7863227

Passcode: LFENN

You also can join the event directly at

<https://www.mymeetings.com/nc/join.php?i=RH7863227&p=LFENN&t=c>

Call-In Info

To call in: 1-888-677-8393

Passcode: LFENN

Algae's Potential for Driving a Carbon Capture-and-Recycle Industry

A seminar presented by DOE/EERE's Office of Planning, Budget, and Analysis and NREL's Strategic Energy Analysis and Applications Center

**Jim Sears, Chief Technical Officer
A2BE Carbon Capture**

Thursday, October 11, 2007

noon-1 p.m. (videoconference in Washington, D.C.)

10-11 a.m. (Golden, Colo.)

**(The seminar is also offered via conference call or Internet conferencing.
See the log-in and call-in information below.)**



Jim Sears

Natural systems on a global scale have demonstrated insufficient capacity to maintain a stable climate with the increasing concentration of atmospheric CO₂. Carbon capture and sequestration has been proposed as a way to substantially reduce CO₂ emissions; however, scope-limiting environmental and cost concerns may preclude wide-scale implementation. Alternatively, carbon capture-and-recycle strategies turn industrial CO₂ emissions into valuable feedstock for photosynthetically derived food and fuel products that offset fossil fuel consumption, driving to an overall carbon-neutral energy system. This seminar, presented by Jim Sears of A2BE Carbon Capture, will discuss the multidimensional challenges in developing and scaling-up algae technologies on a path to a carbon capture-and-recycle economy.

Jim Sears is the CTO and president of A2BE Carbon Capture LLC, and has 32 years of experience leading advanced technology development teams. A2BE was formed to globally commercialize food and fuel production from algae and will be working with a consortium of research, development, and project finance organizations that is being assembled for this effort. Previously, Sears founded Solix Biofuels (which demonstrates scaleable photo-bioreactor core technology), and Solar Democracy (which provides educational incentives, specialized lab equipment, plant site analysis, and legislative support for this prospective industry). He has been a Boulder, Colorado-based technology entrepreneur and researcher since 1990.

Golden, Colo., information

**1617 Cole Blvd., Golden, Colorado
Building 15, Conference Room 375**

**Please contact Lynne Fenn at
lynne_fenn@nrel.gov or 303-384-7439**

Washington, D.C., information

**901 D Street SW (adjacent to the Forrestal Building)
or 370 L'Enfant Promenade. Ninth Floor.**

**Please contact Wanda Addison, of Midwest
Research Institute (MRI), at
wanda_addison@nrel.gov or 202-646-5278**